

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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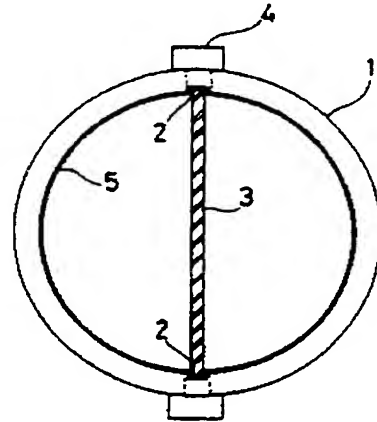
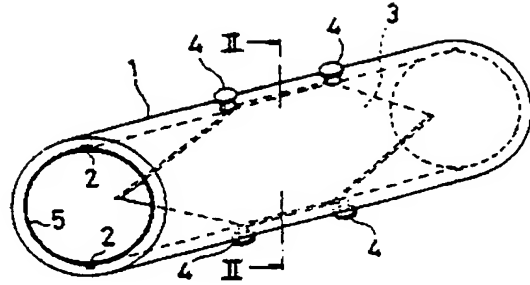
APPLICATION DATE : 17-05-85  
APPLICATION NUMBER : 60106505

APPLICANT : MITSUBISHI ELECTRIC CORP;

INVENTOR : MORITA JUJI;

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TITLE : CIRCULARLY POLARIZED WAVE  
GENERATOR



ABSTRACT : PURPOSE: To mount smoothly and quickly a dielectric plate to a circular waveguide without giving damage to the plate by coating a low friction resin to a slot for mounting the dielectric plate formed on an inner wall of the waveguide.

CONSTITUTION: The inner wall of the circular waveguide 1 is coated uniformly by a polytetrafluoroethylene resin being a low friction resin. In mounting a quartz glass 3 to the circular waveguide 1 by applying the coating processing like this, the quartz glass 3 is inserted smoothly and quickly along dielectric plate mounting slots 2, 2 formed in the inner wall of the circular waveguide. Further, the quartz glass 3 receives no damage through the smooth mounting like this.

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